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	Application No.	Applicant(s)	
Madian of Allowak 194.	09/896,520	TAPALIAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Otilia Gabor	2878	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS
1. X This communication is responsive to the amendment filed (<u>02/05/2004</u> .		
2. ⊠ The allowed claim(s) is/are <u>1-23</u> .			
3. \boxtimes The drawings filed on <u>28 June 2001</u> are accepted by the Ex	xaminer.		
4. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subminsformal PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in time. 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT.	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declara at be submitted. Son's Patent Drawing Review (PTO- as Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL residence in the property of the comment of the drawing to BIOLOGICAL MATERIAL residues.	national stage applicate complying with the reconstruction is deficient. 948) attached office action of the dol. must be submitted. National stage of the submitted.	quirements OTICE OF
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☒ Examiner's Amenda 8. ☒ Examiner's Statema 9. ☐ Other	(PTO-413), te ment/Comment	,

Response to Amendment

The amendment filed 02/05/2004 has been entered. 1.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes 2. and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: the status of claim 8 as "currently amended" is included in parenthesis. This is necessary to overcome an objection to the amendment as being incomplete.

Allowable Subject Matter

- 3. Claims 1-23 are allowed.
- The following is an examiner's statement of reasons for allowance: The 4. amendment made by the Applicant overcomes the 35 USC 112 rejections applied against the claims and thus render the claims allowable for the reasons as indicated in detail in the previous Office Action.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Otilia Gabor whose telephone number is 571-272-2435. The examiner can normally be reached on Monday-Friday between 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Porta can be reached on 571-272-2444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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CONSTANTINE HANNAHER
PRIMARY EXAMINER
GROUP ART UNIT 2878

a combiner for recombining said first signal and said second signal.

7. (original) An infrared absorption spectrometer according to claim 1, wherein said optical waveguide includes channels arranged in a Mach-Zehnder interferometer configuration.

(currently amended)

- 8. An infrared absorption spectrometer according to claim 1, wherein said optical waveguide [[core]] includes a drop channel, a throughput channel, and a reference channel, arranged so that the optical microcavity can optically interact with both the drop channel and the throughput channel, but does not substantially optically interact with light in the reference channel.
- 9. (original) An infrared absorption spectrometer according to claim 1, wherein said optical microcavity is selected from the group consisting of microspheres, microdisks, and microrings.
- 10. (original) An infrared absorption spectrometer according to claim 1, further comprising a light source arranged to input light into said input end of said optical waveguide.
- 11. (original) An infrared absorption spectrometer according to claim 1, further comprising at least one detector constructed and arranged so as to detect output optical radiation from said output end of said optical waveguide.
- 12. (original) An infrared absorption spectrometer according to claim 1, wherein said